

HYBRID OVATION™ II 4/5/6

*Component Systems
Installation Guide*



www.morelhifi.com

PACKAGE CONTENT

4" HYBRID OVATION WOOFER



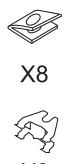
X2



X2



X6



X8



X2



X8

5" HYBRID OVATION WOOFER



X2



X2



X2



X8



X8

6" HYBRID OVATION WOOFER



X2



X2



X2



X8



X8

CROSSOVER ACCUSET MX-22.4



X2



X2



X6



X6

TWEETER MT-22



X2



SURFACE OPTIONS



X2



X4



X2



X2



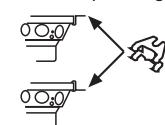
M3

WOOFER & CROSSOVER MOUNTING

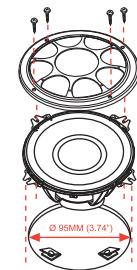
4" UNIT MOUNTING

1

Use the screw clips in any combination, with or without the plastic frame. These clips can be used either way up/down depending on the installation requirements.



1



2

Use the non-screw clips to install in locations which do not require screws. Insert the clips in the small holes on the side of the loudspeaker according to your requirements.



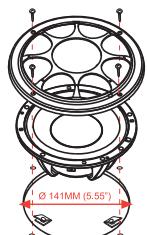
2



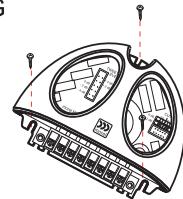
5" UNIT MOUNTING



6" UNIT MOUNTING

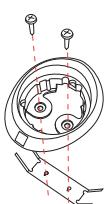


CROSSOVER MOUNTING

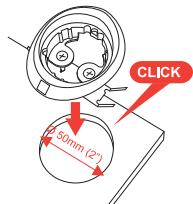


FLUSH MOUNTING

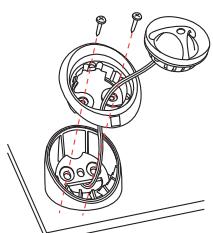
1



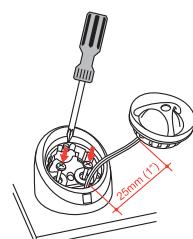
2



1

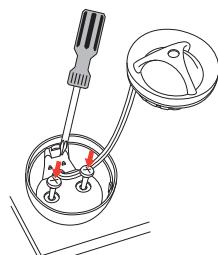


2



OPTION 3

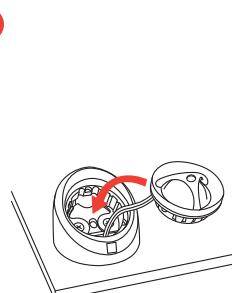
1



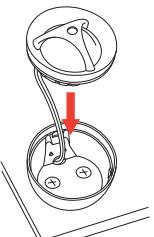
4



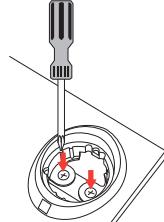
3



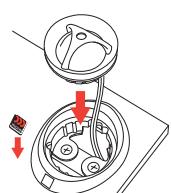
2



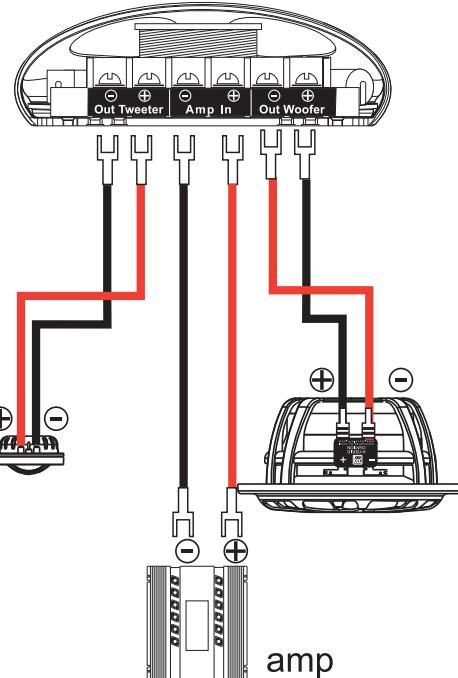
3



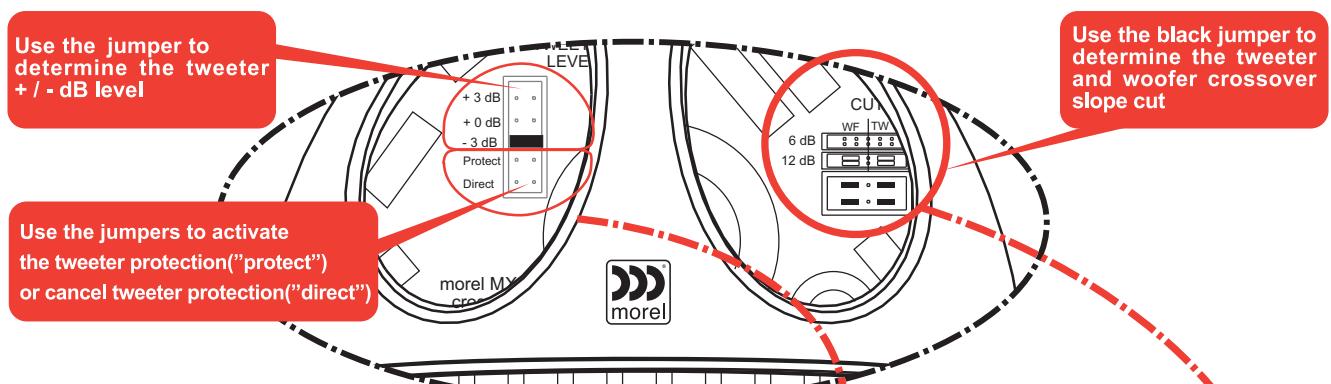
4



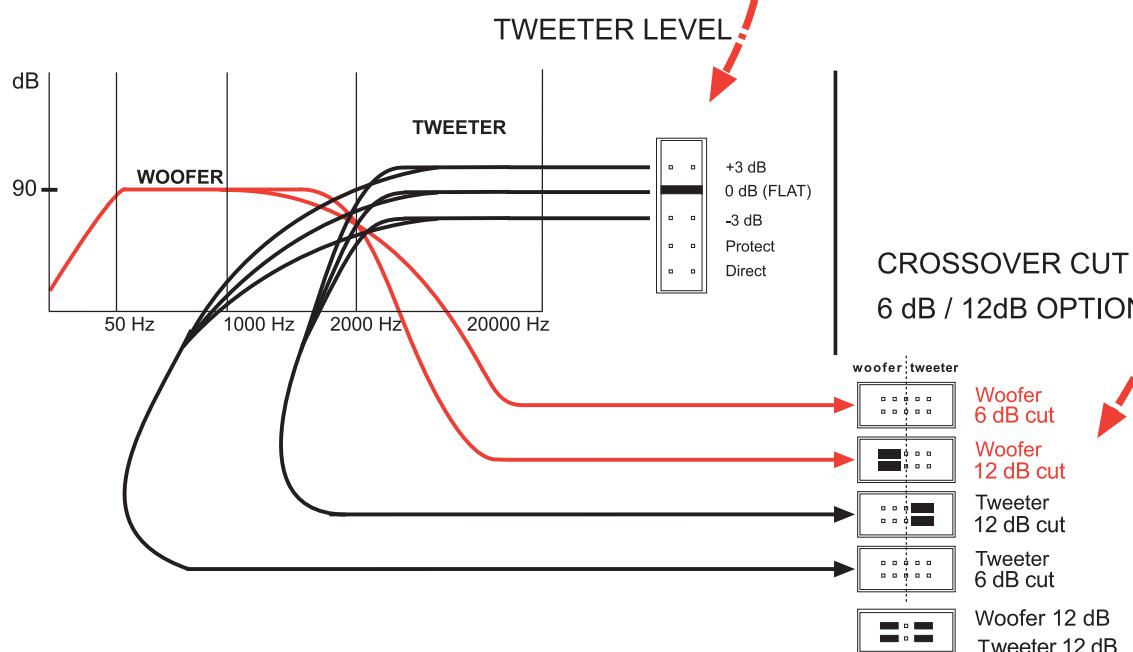
WIRING OPTION FOR ACCUSET MX-22.4 CROSSOVER



ACCUSET MX-22.4 CROSSOVER ALIGNMENT SYSTEM



ACCUSET ALIGNMENT SYSTEM



HYBRID OVATION II SPECIFICATIONS

| 4" SYSTEM SPECIFICATIONS | | 5" SYSTEM SPECIFICATIONS | | 6" SYSTEM SPECIFICATIONS | |
|-------------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| Nominal Impedance | 4 Ohm | Nominal Impedance | 4 Ohm | Nominal Impedance | 4 Ohm |
| Power Handling | 100W | Power Handling | 120W | Power Handling | 140W |
| Max. Transient Power Handling | 300W | Max. Transient Power Handling | 500W | Max. Transient Power Handling | 600W |
| Sensitivity (2.83V/1M) | 89dB | Sensitivity (2.83V/1M) | 91dB | Sensitivity (2.83V/1M) | 90dB |
| Frequency response | 50-25000Hz | Frequency response | 40-25000Hz | Frequency response | 35-25000Hz |
| 4" WOOFER SPECIFICATIONS | | 5" WOOFER SPECIFICATIONS | | 6" WOOFER SPECIFICATIONS | |
| Nominal Impedance | 4 Ohm | Nominal Impedance | 4 Ohm | Nominal Impedance | 4 Ohm |
| Power Handling | 100W | Power Handling | 120W | Power Handling | 140W |
| Max. Transient Power Handling | 300W | Max. Transient Power Handling | 500W | Max. Transient Power Handling | 600W |
| Sensitivity (2.83V/1M) | 89dB | Sensitivity (2.83V/1M) | 91dB | Sensitivity (2.83V/1M) | 90dB |
| Frequency response | 50-4200Hz | Frequency response | 35-30000Hz | Frequency response | 35-30000Hz |
| FS | 82Hz | FS | 60Hz | FS | 60Hz |
| Voice Coil Diameter | 54mm (2.125") | Voice Coil Diameter | 54mm (2.125") | Voice Coil Diameter | 54mm (2.125") |
| Voice Coil Height | 10.5mm (.41") | Voice Coil Height | 10.5mm (.41") | Voice Coil Height | 12.0mm (0.47") |
| Voice Coil type/ Former | Aluminum | Voice Coil type/ Former | Aluminum | Voice Coil type/ Former | Aluminum |
| Voice Coil Wire | Hexatech™ Aluminum | Voice Coil Wire | Hexatech™ Aluminum | Voice Coil Wire | Hexatech™ Aluminum |
| DC Resistance | 4.20Ohm | DC Resistance | 3.7Ohm | DC Resistance | 3.5Ohm |
| Voice Coil Inductance @1Khz | 0.34mH | Voice Coil Inductance @1Khz | 0.31mH | Voice Coil Inductance @1Khz | 0.29mH |
| Magnet system | Hybrid,Rear Vented magnet | Magnet system | Hybrid,Rear Vented magnet | Magnet system | Neodymium,Rear Vented magnet |
| HE- Magnetic Gap Height | 5mm | HE- Magnetic Gap Height | 5mm | HE- Magnetic Gap Height | 5mm |
| B- Flux density | 0.85T | B- Flux density | 1.0T | B- Flux density | 0.9T |
| BL Product/BXL | 5.92 | BL Product/BXL | 4.33 | BL Product/BXL | 4.50 |
| Max Linear Excursion/Xmax | 5.5mm (±2.75mm) | Max Linear Excursion/Xmax | 5.5mm (±2.75mm) | Max Linear Excursion/Xmax | 7.0mm (±3.5mm) |
| Suspension Compliance CMS | 551 | Suspension Compliance CMS | 921 | Suspension Compliance CMS | 62 |
| Mechanical Q factor QES | 0.41 | Mechanical Q factor QES | 0.55 | Mechanical Q factor QES | 0.55 |
| Total Q Factor Q/T | 0.35 | Total Q Factor Q/T | 0.45 | Total Q Factor Q/T | 0.46 |
| QMS | 2.44 | QMS | 2.54 | QMS | 2.40 |
| Mechanical Resistance RMS | 0.68KgS ¹ | Mechanical Resistance RMS | 0.52KgS ¹ | Mechanical Resistance RMS | 1.74kgS ¹ |
| Moving Mass MMS | 6.48gr | Moving Mass MMS | 7.0gr | Moving Mass MMS | 11.40gr |
| Equivalent Cas Air Load VAS | 3.17 Liters | Equivalent Cas Air Load VAS | 10.50 Liters | Equivalent Cas Air Load VAS | 12L (0.42R ³) |
| Effective piston area SD | 64cm ² | Effective piston area SD | 90cm ² | Effective piston area SD | 119cm ² |
| Cone Type | One Piece Formed | Cone Type | One Piece Formed | Cone Type | One Piece Formed |
| Cone Material | DPC (Damped | Cone Material | Polymer Composite) | Cone Material | DPC (Damped |
| Unit Diameter | 104mm (4") | Unit Diameter | 135mm (5.25") | Unit Diameter | 165.00mm (6.50") |
| Mounting Depth | 50mm (2") | Mounting Depth | 60mm (2.36") | Mounting Depth | 61.00mm (2.40") |
| Mounting Cutout | 95mm (3.74") Dia. | Mounting Cutout | 120mm (4.72") Dia. | Mounting Cutout | 141.00mm (5.55") Dia. |
| Net Weight | 0.530Kg | Net Weight | 0.600Kg | Net Weight | 0.60kg |
| TWEETER MT-22 SPECIFICATIONS | | ACCUSET MX-22.4 CROSSOVER | | | |
| Nominal Impedance | 4 Ohm | Nominal Impedance | 4 Ohm | | |
| Power Handling | 110W | Power Handling | 200W | | |
| Max. Transient Power Handling | 300W | Crossover Point | 1800Hz | | |
| Sensitivity (2.83V/1M) | 91dB | Crossover Controls | Frequency Slope: Cut 6/12 dB. | | |
| Frequency response | 1600-25000Hz | | Tweeter Level: ±3dB | | |
| FS | 950Hz | | Tweeter protection | | |
| Voice Coil Diameter | 28mm (1.125") | | Standard. | | |
| Voice Coil Height | 2.2mm (.06") | | ABS | | |
| Voice Coil Former | Aluminum | | Large Screws gold plated | | |
| Voice Coil Wire | Hexatech™ Aluminum | | 0.544 Kg | | |
| DC Resistance | 3.4Ohm | | | | |
| Magnet system | Neodymium | | | | |
| HE- Magnetic Gap Height | 2mm (0.12") | | | | |
| Dome Type | Acuflex™ | | | | |
| Unit Diameter | Hand Coated Soft Dome | | | | |
| Mounting Depth | 45mm (1.8") Dia. | | | | |
| Mounting Cutout | 20mm (0.8") | | | | |
| | 50mm (2") Dia. | | | | |

